

10780658

FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)			ATTY DOCKET NO. <b>01311.001005.1</b>		APPLICATION NO. NYA <b>Div. Of 09/982,626</b>	
			APPLICANTS <b>JAMES K. CAVERS ET AL.</b>			
			FILING DATE <b>Herewith</b>		GROUP <b>2819</b>	

  

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
m	5,610,554	3/97	Anvari	330	52		
	5,617,061	4/97	Fukuchi	330	151		
	5,621,354	4/97	Mitzlaff	330	52		
	5,694,395	12/97	Myer et al.	370	480		
	5,742,201	4/98	Eisenberg et al.	330	2		
	5,831,478	11/98	Long	330	52		
	5,815,036	9/98	Yoshikawa et al.	330	52		
	4,879,519	11/89	Myer	330	149		
	4,379,994	4/83	Baumann	330	149		
	5,862,459	1/99	Charas	455	144		
	5,644,268	7/97	Hang	330	151		
	5,760,646	6/98	Belcher et al.	330	149		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
N/A	EP 0675594	10/95	EP0				
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
N/A	S. Grant, "A DSP Controlled Adaptive Feedforward Amplifier Linearizer," July, 1996.						
+	S. Grant and J. Cavers, "A DSP Controlled Adaptive Feedforward Amplifier Linearizer," ICUPC 1996.						
+	A. Smith, "A Wideband Adaptive Feedforward Amplifier Lineariser," August 1997.						
N/A	A. Smith and J. Cavers, "A Wideband Architecture For Adaptive Feedforward Linearization," May 18, 1998.						
EXAMINER			DATE CONSIDERED				
[Signature]			6/18/05				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
m	5,307,022	4/94	Tattersall, Jr. et al.	330	52		
	5,532,642	7/96	Takal	330	15		
	5,789,976	8/98	Ghannouchi et al.	330	52		
	5,565,814	10/96	Fukuchi	330	52		
	5,485,120	1/96	Anvari	330	151		
	5,489,875	2/96	Cavers	330	151		
	6,208,207	3/01	Cavers	330	149		
	6,166,601	12/00	Shalom et al.	330	151		
	5,157,345	10/92	Kennington et al.	330	149		
	5,130,633	7/92	Tattersall, Jr.	330	52		
m	5,867,065	2/99	Leyendecker	330	149		

  

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N/A	58-175309	10/14/83	Japan				

  

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N/A	F. Amoroso, "Spectral Containment By PreDistortion of QPSK Signal," October, 1998.
	J. Cavers, "Adaption Behavior of a Feedforward Amplifier Linearizer," February, 1995.
	Q. Cheng, et al., "A 1.9 GHz Adaptive Feedforward Power Amplifier," November, 1998.
	J.C. Lagarias, et al., "Convergence Properties of the Nedler-Mead Simplex Algorithm in Low Dimensions, SAJM J. Optim. May, 1997
	P.B. Kennington and D.W. Bennett, "Linear Distortion Correction using Feed-forward System, IEEE Transactions on Vehicular Technology Vol 45 No 1 (Feb. 1996)
N/A	J. Chen, et al., "Adaptive joint linearisation / equalisation with delay alignments for a wideband power amplifier, March, 1998

  

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			FILING DATE Herewith		GROUP 2819	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>m</i>	5,898,339	4/99	Maruyama et al.	330	151	
<i>I</i>	6,075,411	6/00	Briffa et al.	330	149	
<i>ju</i>	6,414,546	7/02	Caivers	330	149	
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<i>N/A</i>	<del>J.T. Chen, H.S. Tsai and Y.K. Chen, Fast Adaptive Wide-band Power Amplifier Feed-forward Linearizer, IEEE Vehicular Technology Conference, Ottawa, (1998)</del>					
<i> </i>	<del>J.K. Cavers, Convergence Behavior of an Adaptive Feed-forward Linearizer, IEEE Vehicular Technology Conference, (1994).</del>					
<i> </i>	<del>F.T. Luk and S. Qiao, Analysis of a Recursive Least-squares Signal Processing Algorithm, Society for Industrial and Applied Mathematics, Vol 10, No. 3, (May 1989)</del>					
<i> </i>	<del>S. Ljung and L. Ljung, Error Propagation Properties of Recursive Least-squares Adaptation Algorithms, Automatica, Vol. 21, No. 2 (1985)</del>					
<i> </i>	<del>E. Eweda and O. Macchi, Convergence of the RLS and LMS Adaptive Filters, IEEE Transactions on Circuits and Systems, Vol. CAS-34, No. 7, (July 1987)</del>					
<i> </i>	<del>D.H. Shi and F. Kozin, On Almost-Sure Convergence of Adaptive Algorithms, IEEE Transactions on Automatic Control, Vol. AC-31, No. 5, (May 1986)</del>					
<i> </i>	<del>L.L. Horowitz and K.D. Seene, Performance Advantage of Complex LMS for Controlling Narrow-band Adaptive Arrays, IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-29, No. 3, (June 1981)</del>					
<i> </i>	<del>G.A. Clark, S.K. Mitra, and S.R. Parker, Block Implementation of Adaptive Digital Filters, IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-29, No. 3, (June 1981)</del>					
<i> </i>	<del>A. Feuer, Performance Analysis of the Block Least Mean Square Algorithm, IEEE Transactions on Circuits and Systems, Vol. CAS-32, No. 9, (July 1985)</del>					
<i> </i>	<del>S.S. Narayan, A.M. Peterson, M.J. Narasimha, Transform Domain LMS Algorithm, IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-31, No. 3, (June 1983)</del>					
<i> </i>	<del>G.A. Clark, S.R. Parker, and S.K. Mitra, A Unified Approach to Time- and Frequency-Domain Realization of FIR Adaptive Digital Filters, IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-31, No. 5, (October 1983)</del>					
<i>N/A</i>	<del>G. Panda, B. Mulgrew, C.F.N. Cowan, and P.M. Grant, A Self-Orthogonalizing Efficient Block Adaptive Filter, IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-34, No. 6, (December 1986)</del>					
EXAMINER <i>[Signature]</i>			DATE CONSIDERED 06/18/05			

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
m		5,912,586	6/99	James Edward Mitzlaff	330	149	
m		5,923,214	7/99	James E. Mitzlaff	330	52	
m		6,456,160 B1	9/02	Nakayama et al.	330	52	
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N/A		<del>J.Chao, H. Perez, and S. Tsujii, A Fast Adaptive Filter Algorithm Using Eigenvalue Reciprocals as Stepsizes, IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-38, No. 8, (August 1990)</del>					
N/A		<del>S.J. Elliot and B. Fafaely, Rapid Frequency-Domain Adaptation of Causal FIR Filters, IEEE Signal Processing Letters, Vol. 4, No.12, (December 1997)</del>					
N/A		<del>R.M. Gray, On the Asymptotic Eigenvalue Distribution of Toeplitz Matrices, IEEE Transactions on Information Theory, Vol. IT-18, No.6, (November 1972)</del>					
N/A		<del>M. Johansson and L. Sundstrom, Linearization of RF Multicarrier Amplifiers using Cartesian Feedback, Electronic Letters, Vol. 30, No. 14, (July 7, 1994)</del>					
N/A		<del>Hau et al. "Design and characterization of a microwave fee-forward amplifier with improved wide-band distortion cancellation" IEEE Transactions on Microwave Theory and Techniques, vol. 49, Issue 1, January 2001, pages 200-203.</del>					
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				<b>6/18/05</b>			

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